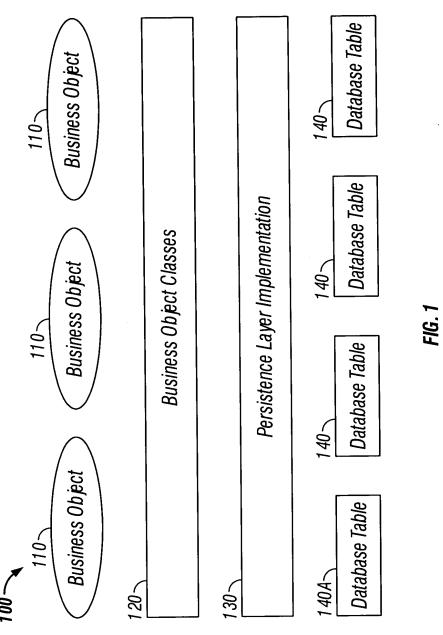
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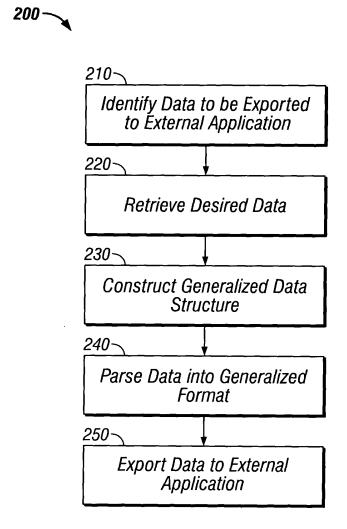


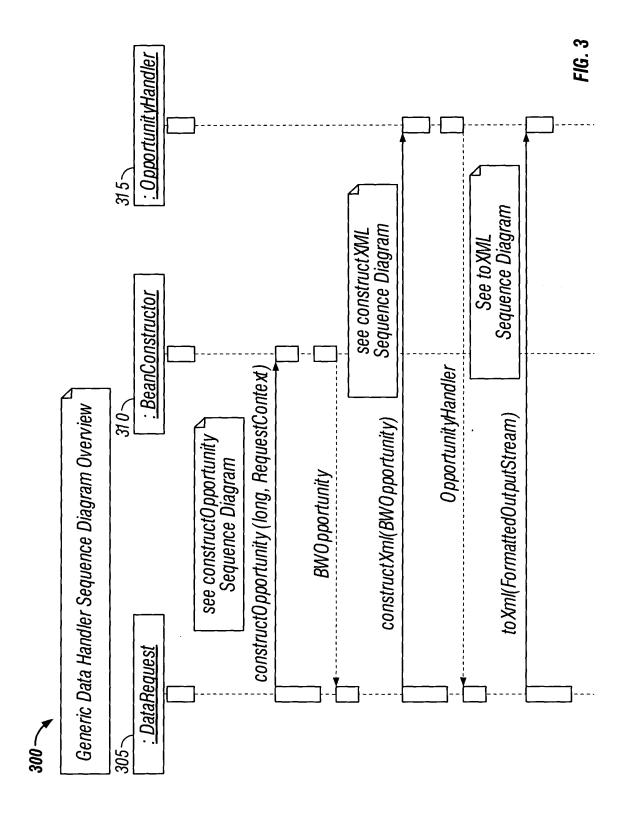
FIG. 2

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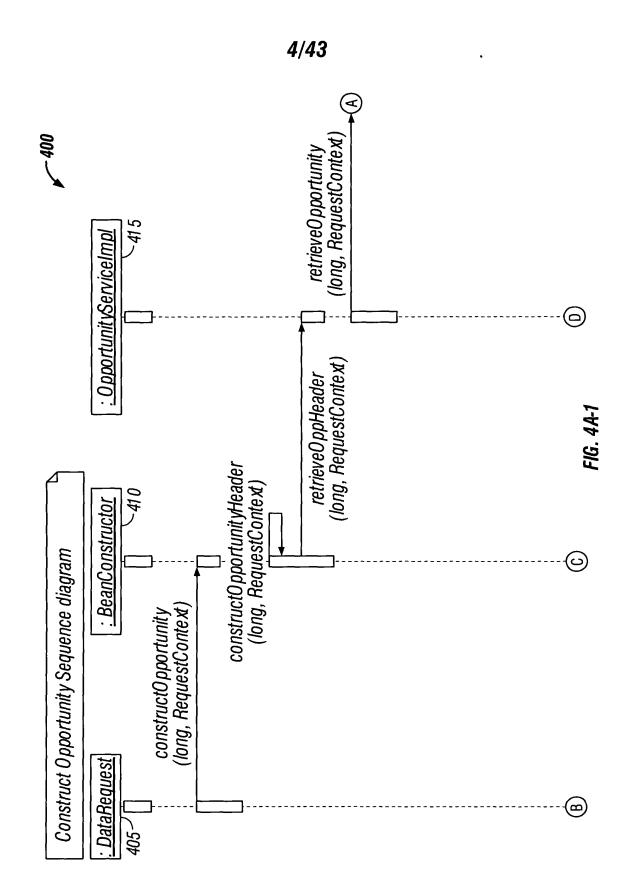
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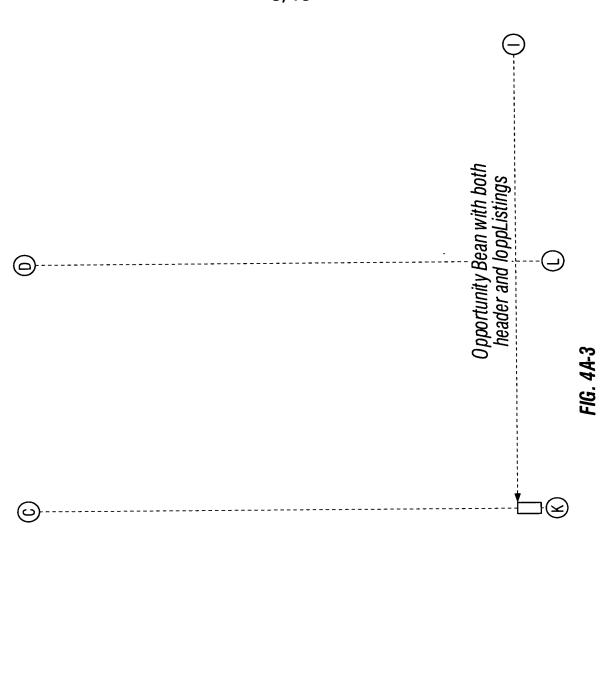
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5/43 : BusinessObjectAttributes Ξ Opportunity Header Dynamic Attributes load Attributes (RequestContext) . OpportunityBean Select * from Opportunity where id = ? Opportunity Header : Opportunity (F) retrieveOppHeader (Iong, RequestContext) (long, RequestContext) : OpportunityController retrieveOppHeader

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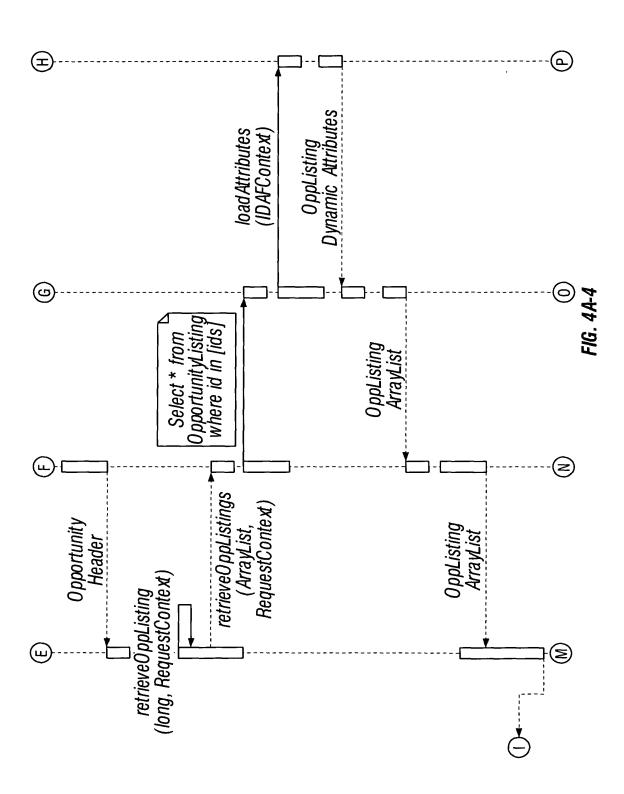
6/43



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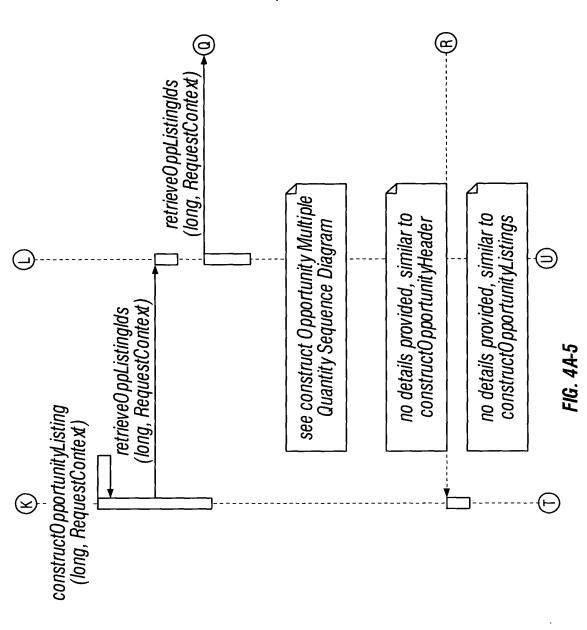
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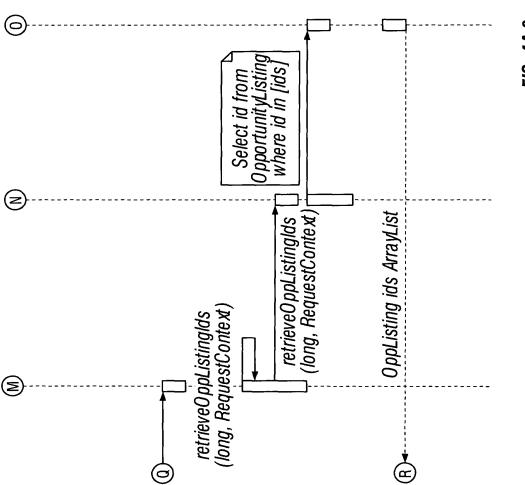
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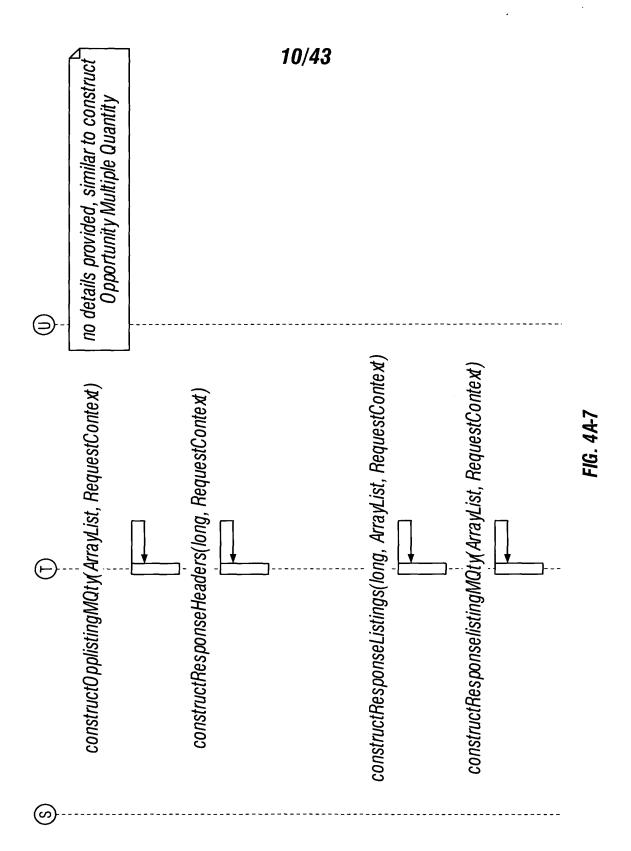
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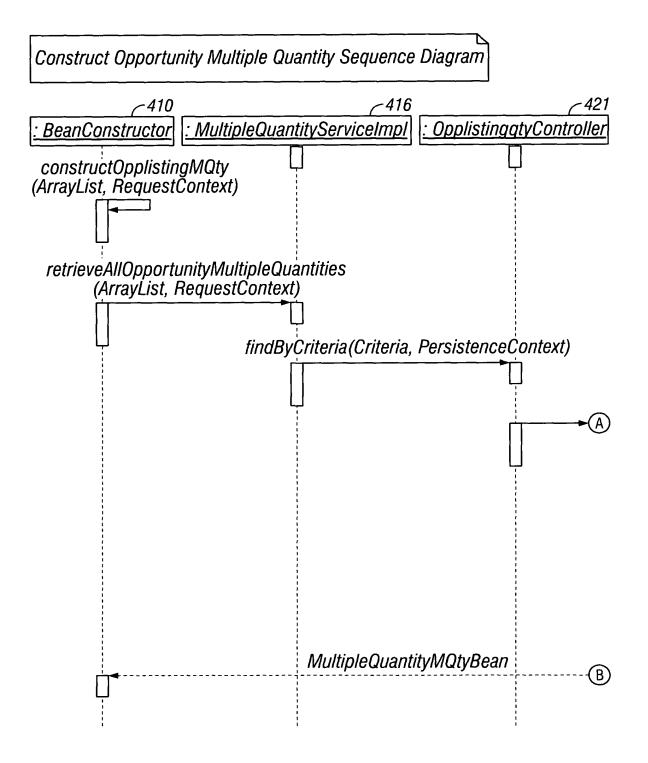


FIG. 4B-1

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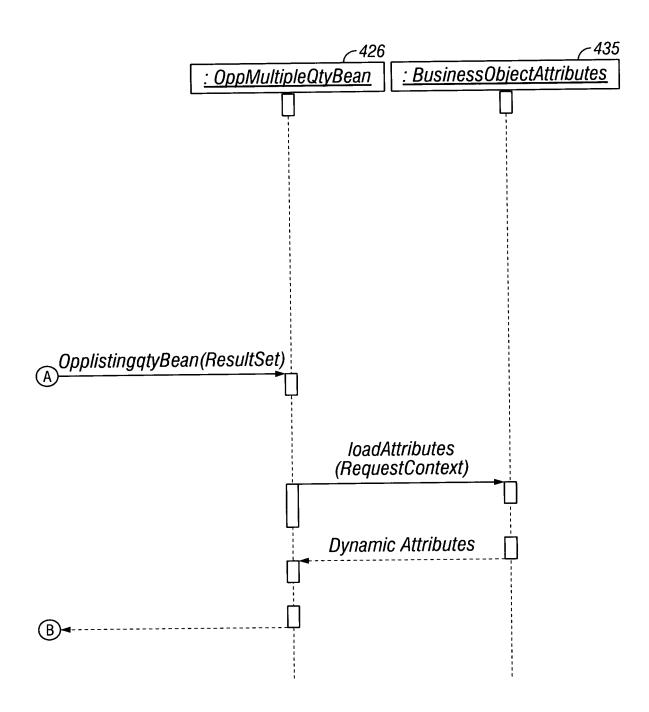


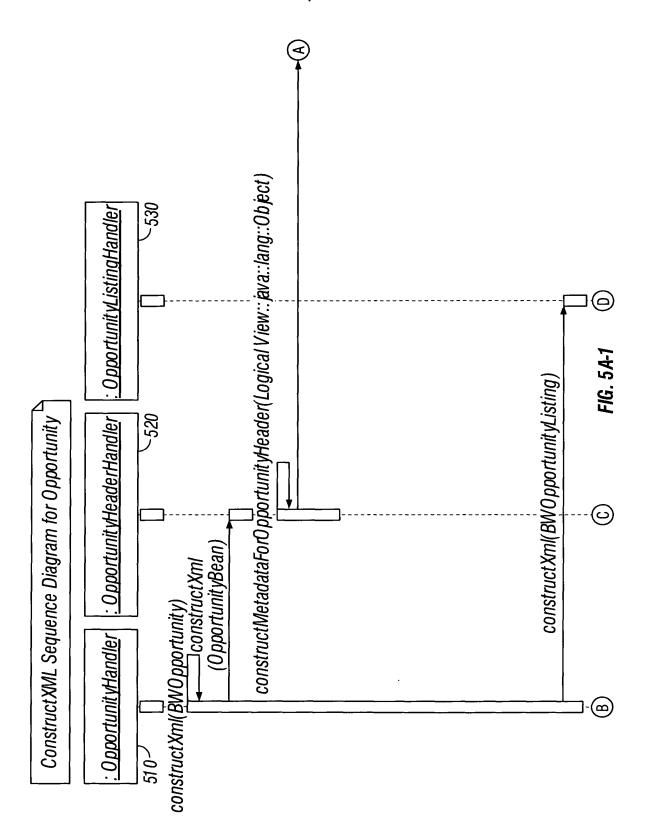
FIG. 4B-2

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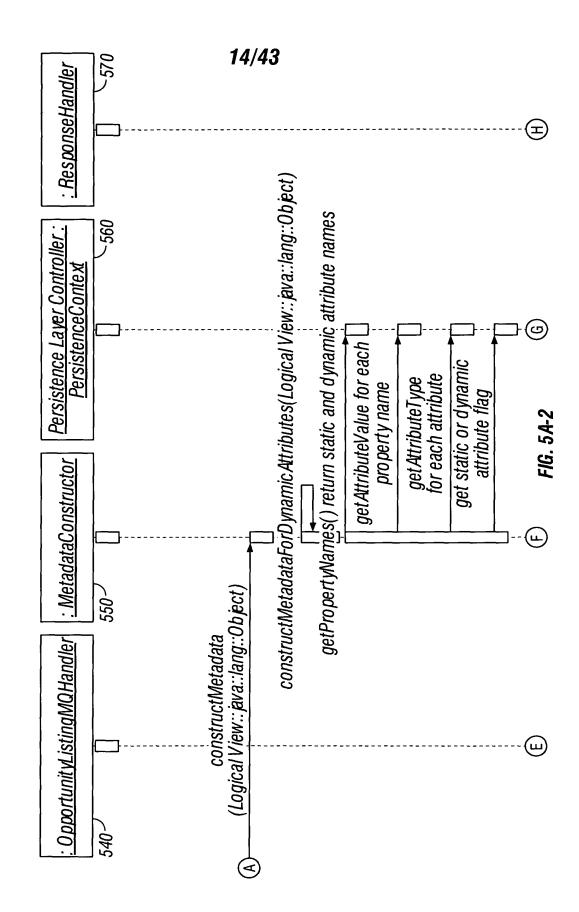
Matter No.: 13914-031001 Applicants: Cheng et al.

GENERALIZED DATA HANDLER - 2003E00228 US;

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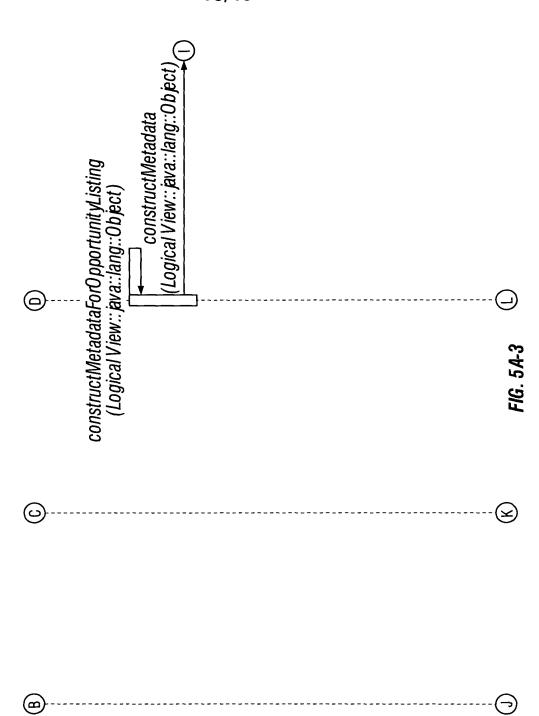


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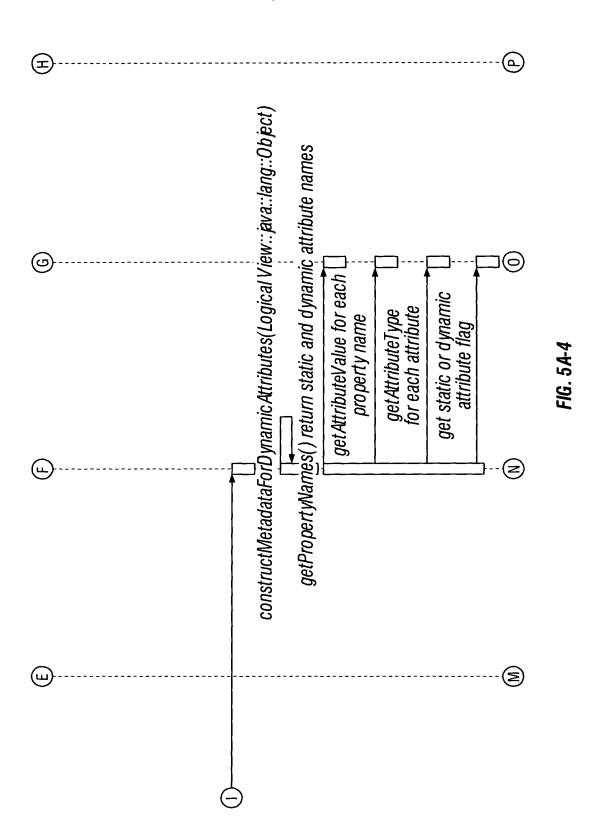
2003P00497 US



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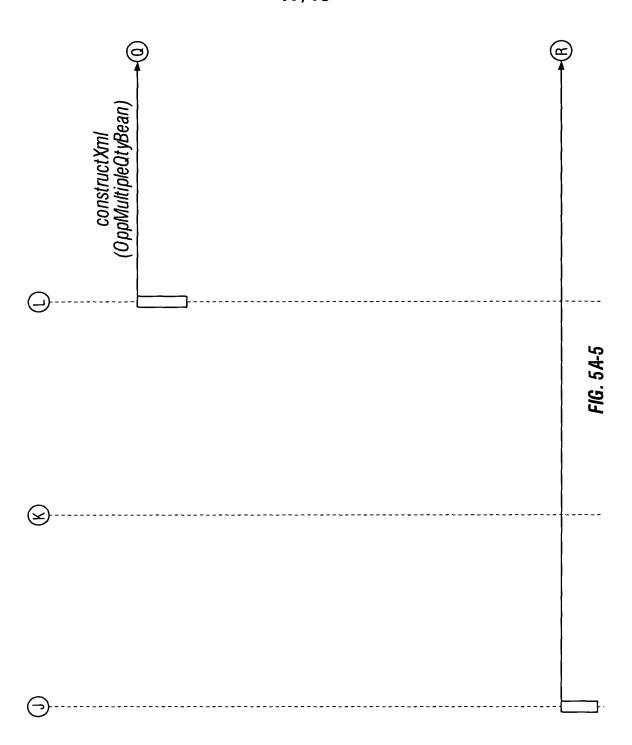
Applicants: Cheng et al.
GENERALIZED DATA HANDLER - 2003E00228 US;

2003P00497 US



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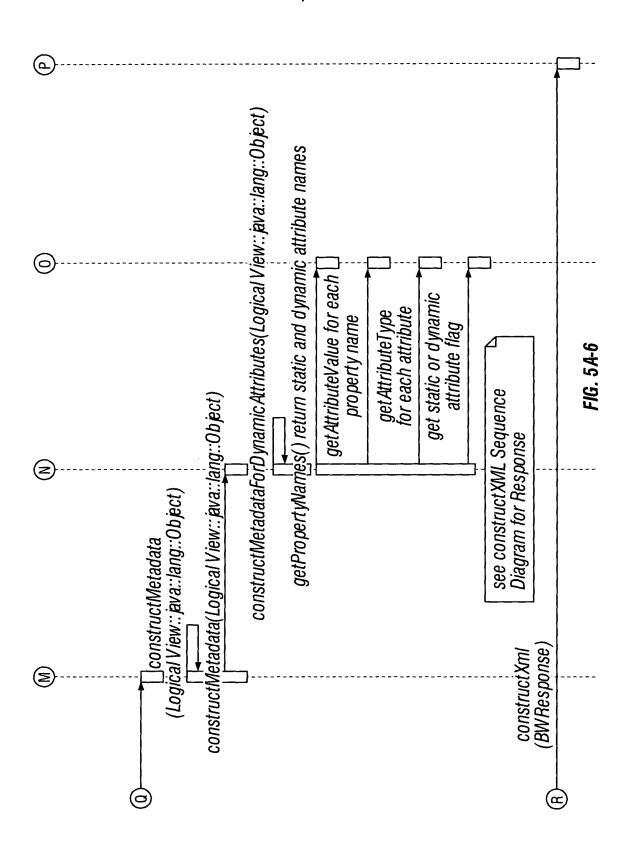


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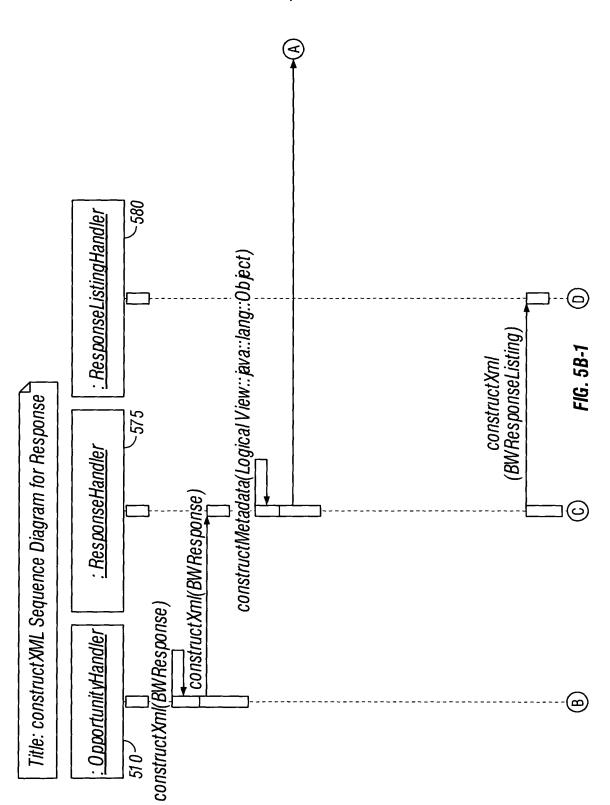


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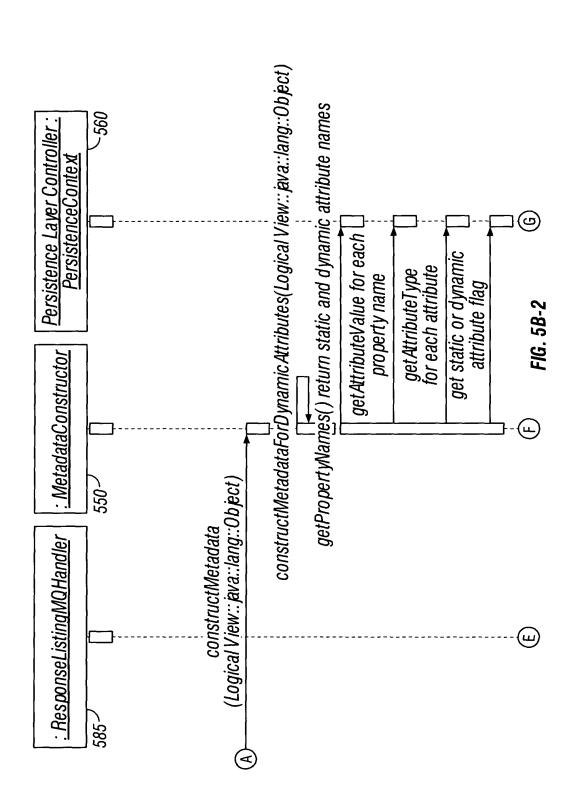


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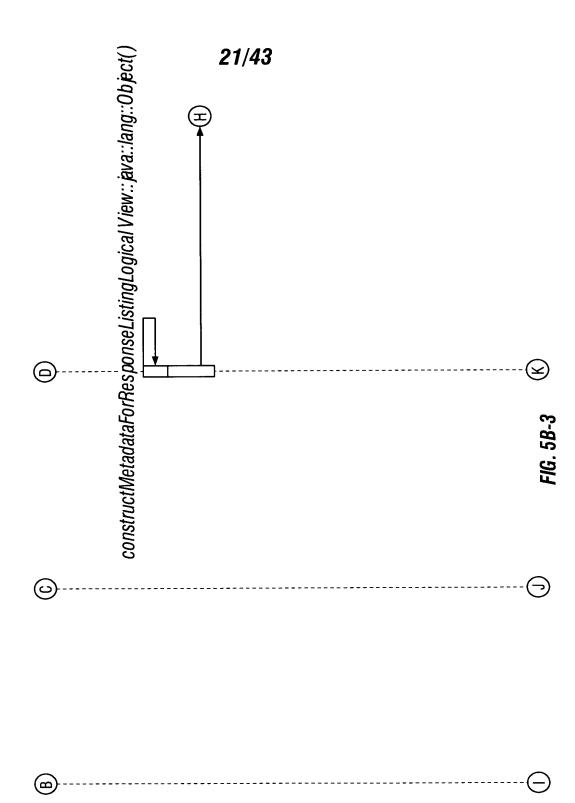
Applicants: Cheng et al.
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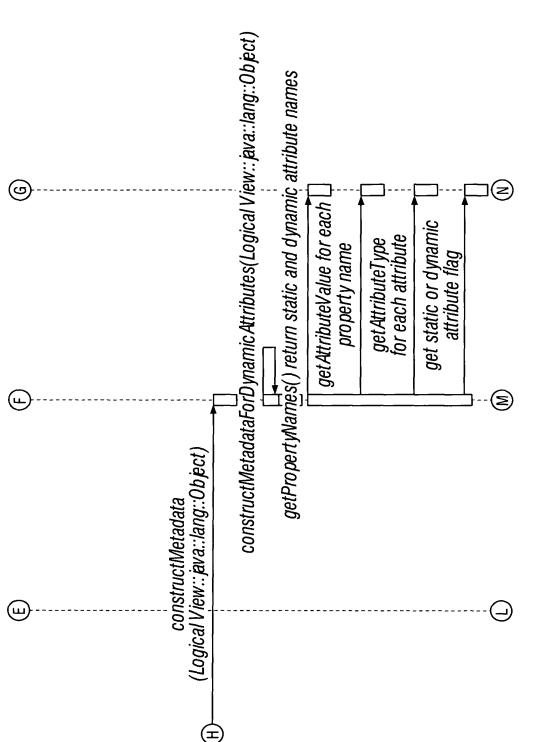
Matter No.: 13914-031001 Page Applicants: Cheng et al. GENERALIZED DATA HANDLER - 2003E00228 US; 2003P00497 US



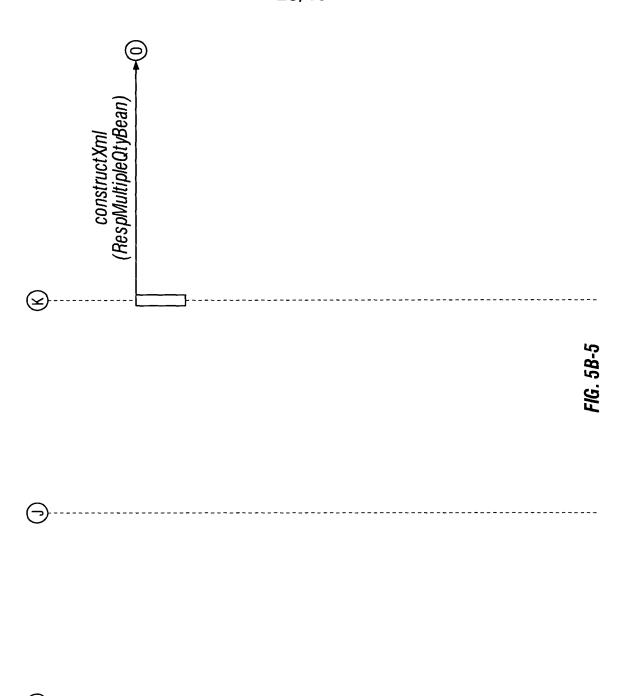
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Matter No.: 13914-031001 Page Applicants: Cheng et al. GENERALIZED DATA HANDLER - 2003E00228 US; 2003P00497 US Page 23 of 43

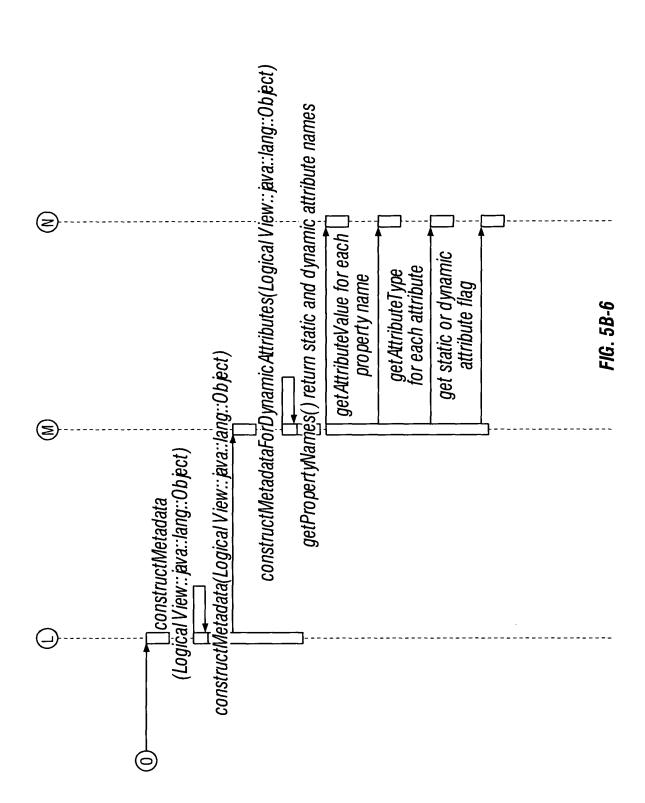


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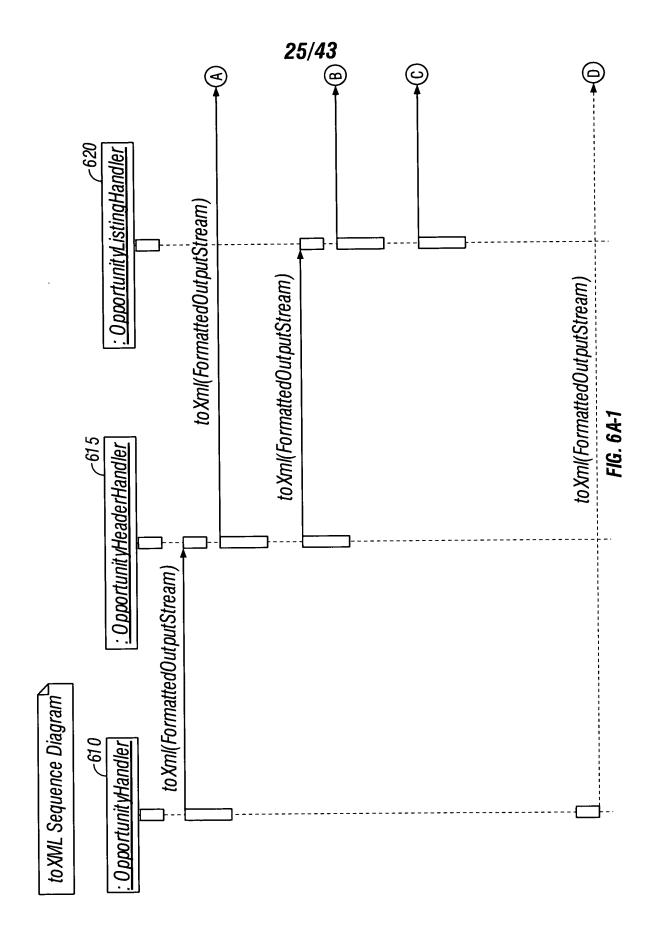
GENERALIZED DATA HANDLER - 2003E00228 US;

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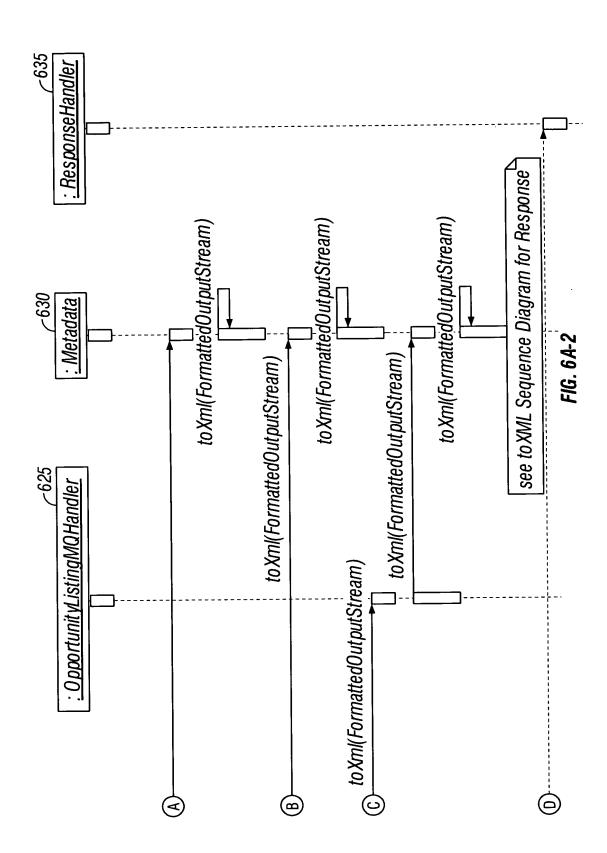
Matter No.: 13914-031001 Page Applicants: Cheng et al. GENERALIZED DATA HANDLER - 2003E00228 US;



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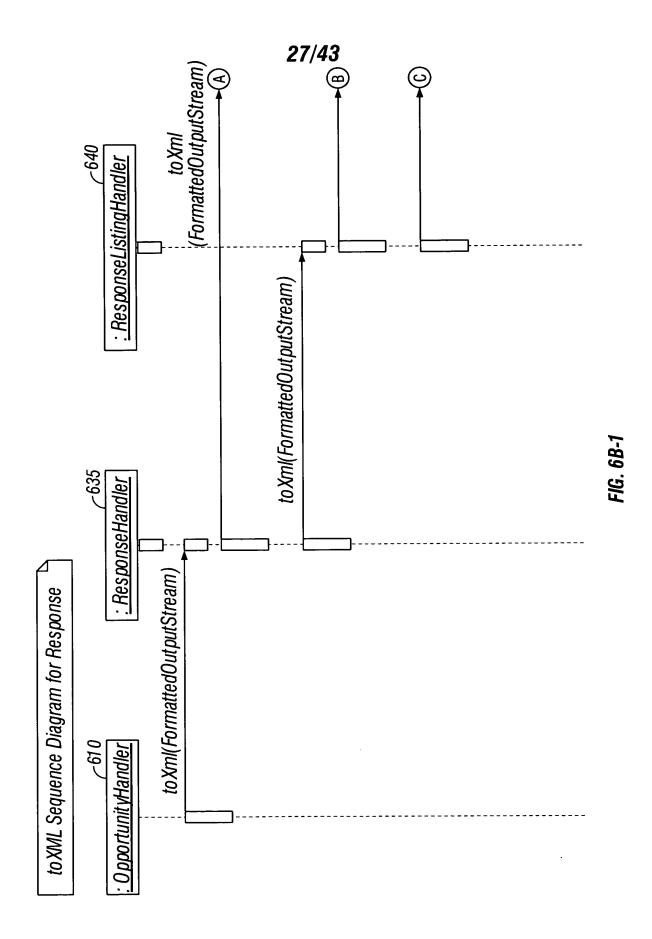
Applicants: Cheng et al.
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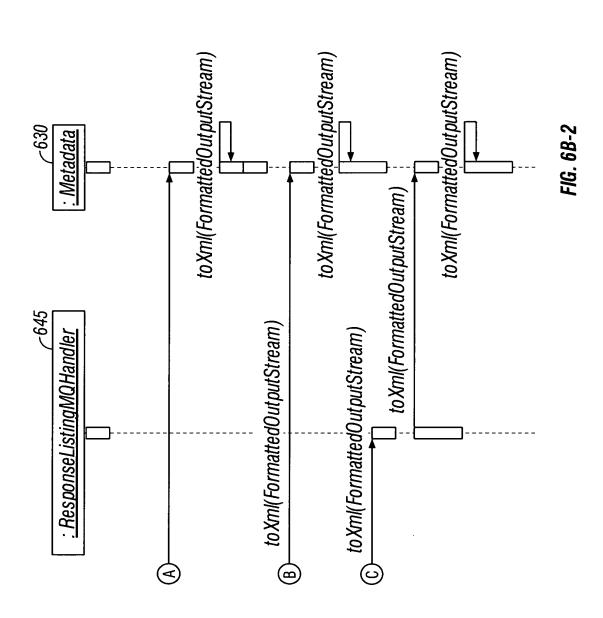
Matter No.: 13914-031001 Page Applicants: Cheng et al. GENERALIZED DATA HANDLER - 2003E00228 US; 2003P00497 US



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< name> brokenLot< /name>
< type> int< (type>
< dynamic> false< /dynamic>
< type>
< type> < type>
< dynamic> < /dynamic> 
                                                                                                                                       Example with sample data
                                                                                                                                                                  < Attribute>
< Metadata>
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```
...

< l0pportunityHeader>

< ListingItem>

< ListingItem>

< oid> 209048</bi>

< Attribute>

< mame> lineItemNumber</br>

< type>

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< dynamic> false
                                                                                        < name> brokenLot< /name>
< type> int< /type>
< dynamic> false< /dynamic>
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< Value> 1 < //dlue>
                                                                             < Metadata>
<0pportunityList>
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<0pportunityHeader>
<0pportunityHeader>
                                                                                                                                                             <t
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GENERALIZED DATA HANDLER - 2003E00228 US;

```
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                                                                       < name> quantity< /name>
< type> java.math.BigDecimal< /type>
< dynamic> false< /dynamic>
                                                                                                                                                                         <Value> 2.3000000000000000 | Value>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                < //detadata>
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                                                                                                                                                                                                                                                                   </ListingItemMQty>
</ListingItem>
<ListingItem>
< oid> 209049

< Attribute>
< Metadata>

                                                                                                                                                                                                     <t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             </br>

</pr
```

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Applicants: Cheng et al. GENERALIZED DATA HANDLER - 2003E00228 US;

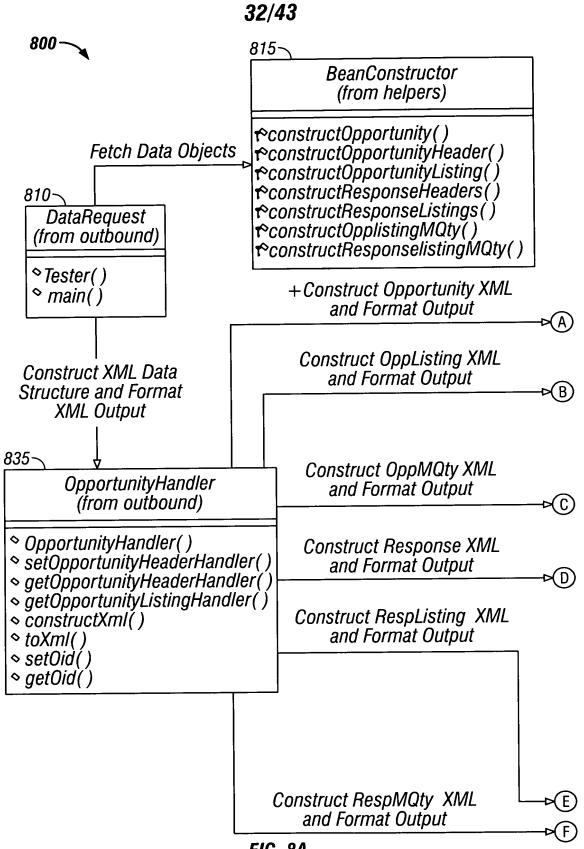
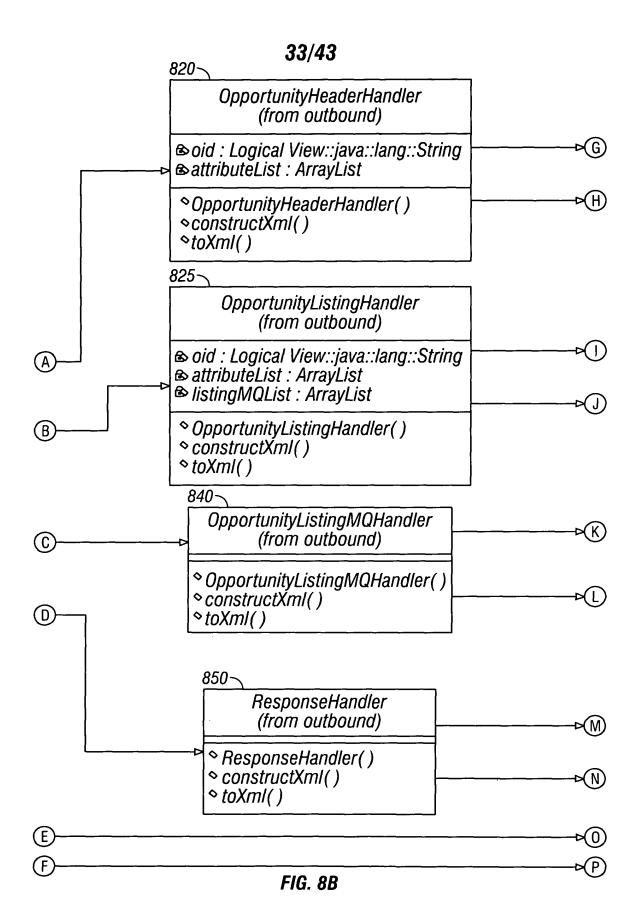


FIG. 8A

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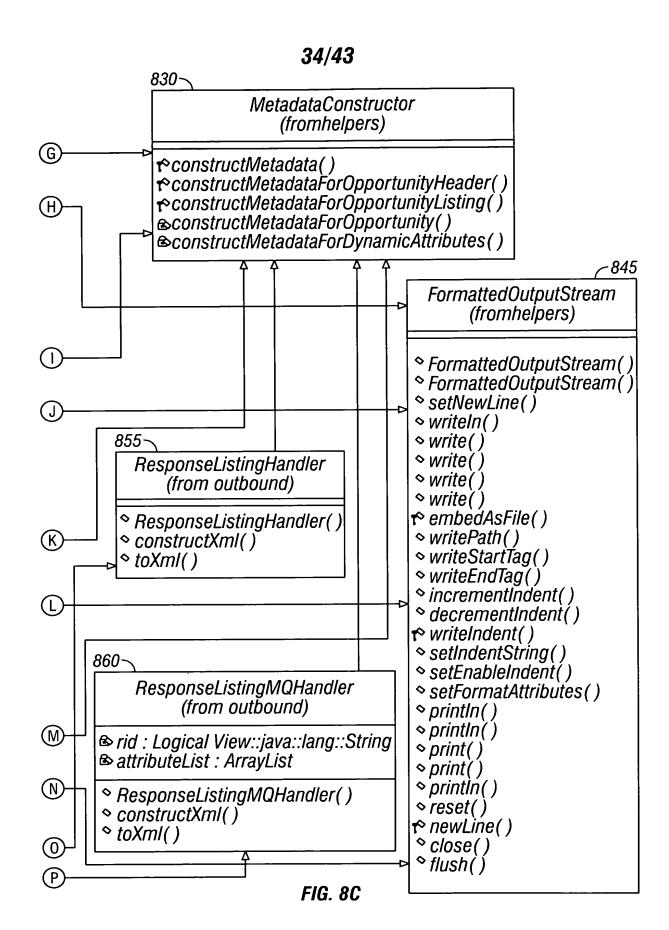


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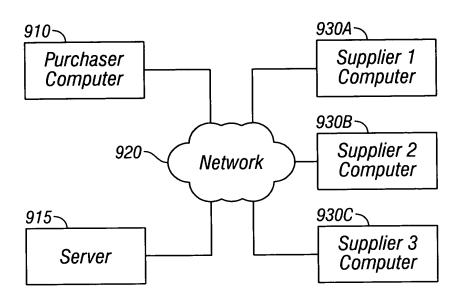


FIG. 9A

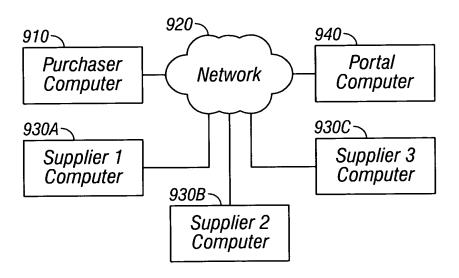


FIG. 9B

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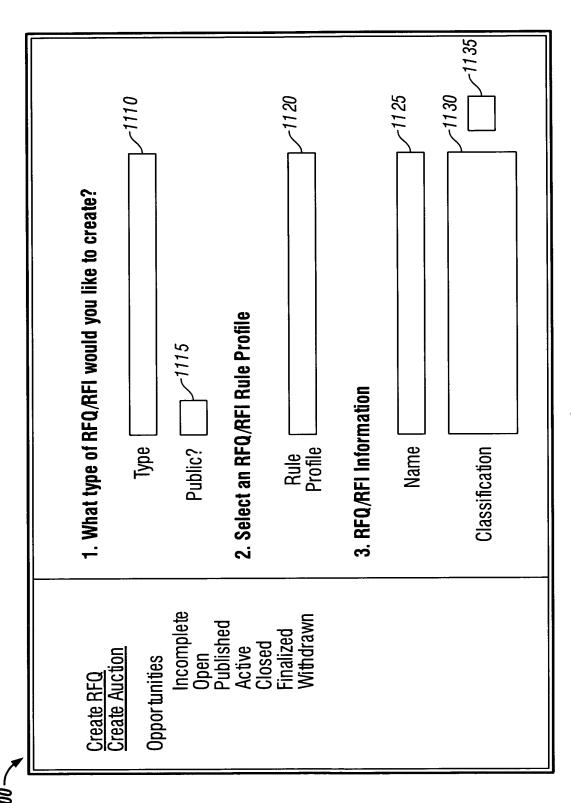


FIG. 11 A

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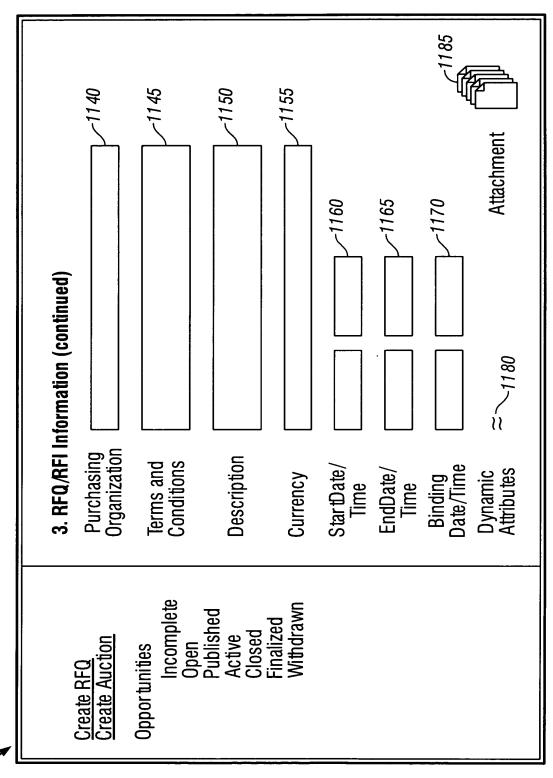


FIG. 11B

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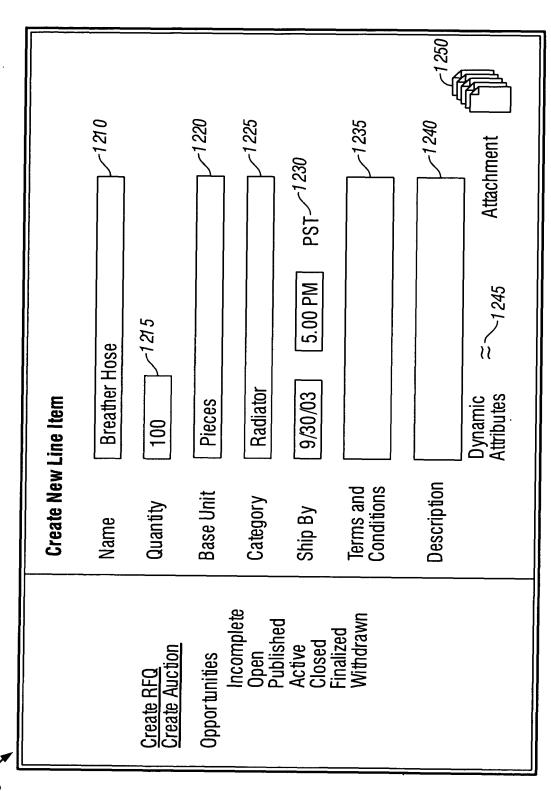


FIG. 12

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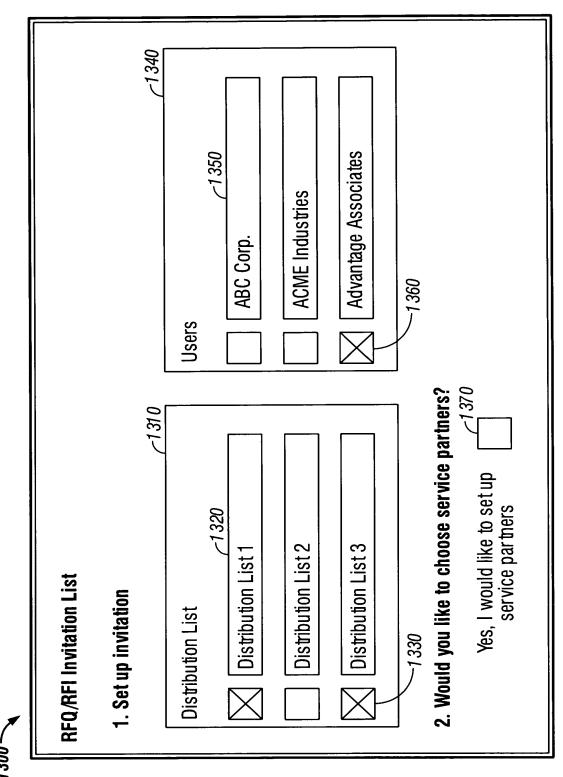
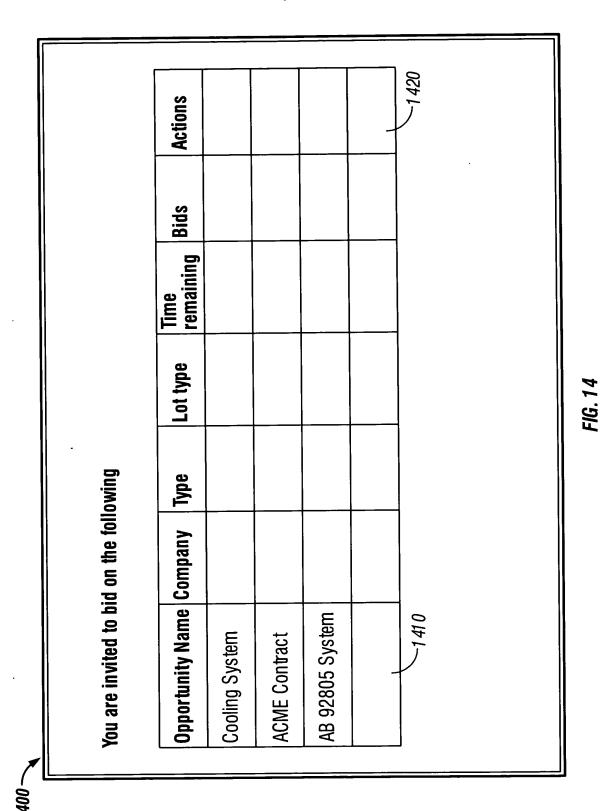


FIG. 13

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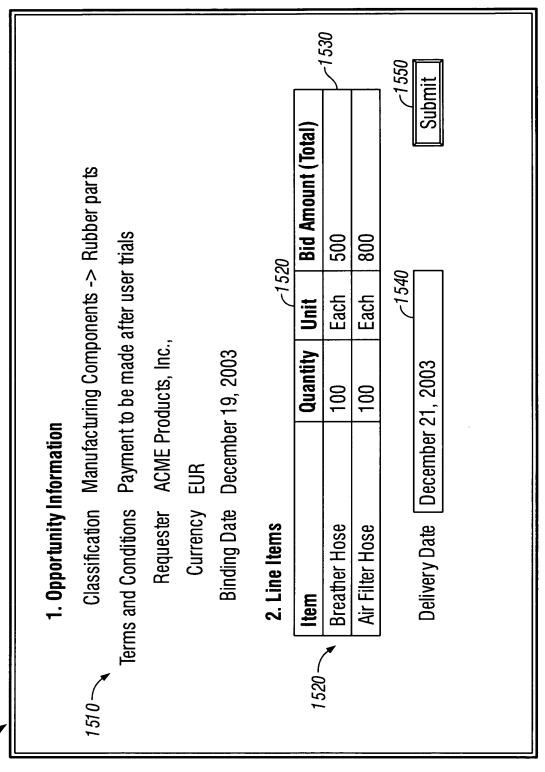


FIG. 15

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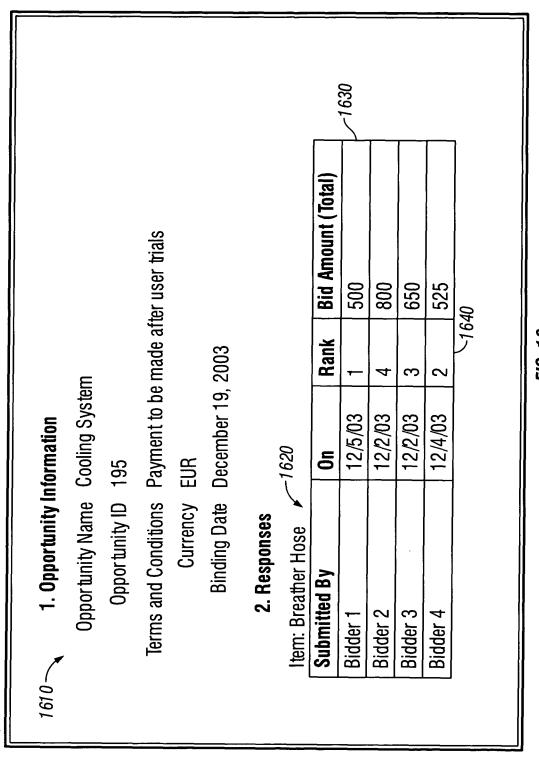


FIG. 16